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Dated: December 21, 2006

Signature:

(Mark J. FitzGerald)

Docket No.: 2042(219781)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Vladimir I. Slepnev

Application No.: 10/600,201

Confirmation No.: 5135

Filed: June 20, 2003

Art Unit: 1637

For: METHODS OF DETECTING SEQUENCE
DIFFERENCES

Examiner: A. M. Bertagna

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated June 28, 2006, please amend the above-identified U.S. patent application as follows:

A Listing of the Claims begins on page 2 of this paper.

Remarks/Arguments begin on page 16 of this paper.